

# Converting Colors

YIQ(73.1010, -51.0320, 10.7600)

Have a look what the booklet for  
YIQ(73.1010, -51.0320, 10.7600)  
contains.

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# Color

**YIQ(73.1010, -51.0320,  
10.7600)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1F5094
RGB	31, 80, 148
RGB Percent	12%, 31%, 58%
CMY	0.8785, 0.6862, 0.4199
CMYK	0.79, 0.46, 0.00, 0.42
HSL	215°, 65%, 35%
HSV	215°, 79%, 58%
XYZ	8.7748, 8.1674, 29.1040
YIQ	73.1010, -51.0320, 10.7600

# Conversions

## Conversions Part 2

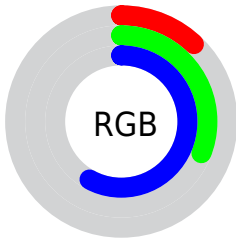
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	31, 66, 148
Decimal	2052244
CIE <sub>Lab</sub>	34.33, 9.04, -42.06
CIE <sub>LCh</sub>	34, 43.020, 282.136
Yxy	8.1674, 0.1906, 0.1774
Android (android.graphics.Color)	4280242324 (0xFF1F5094)
YUV	73.1010, 36.9252, -36.9226
Hunter-Lab	28.5787, 4.7940, -40.3746

# Details

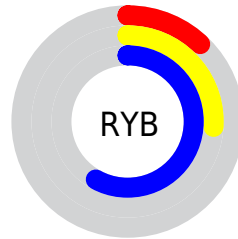
The YIQ color **73.1010, -51.0320, 10.7600** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **105.8990, 51.0320, -10.7600**, and the grayscale version is **73.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **126.9710, -44.6140, 15.5940**, and **32.7770, -41.3120, 10.8160** is the 20% darker color. If you saturate the color by 10%, you get **63.3330, -57.4970, 12.2870**, and if you desaturate by 10%, it is **82.8690, -44.5670, 9.2330**.

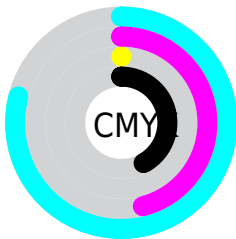
# Distribution



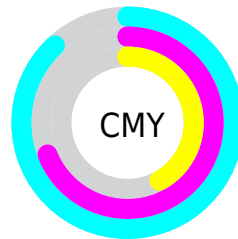
- Red (12%)
- Green (31%)
- Blue (58%)



- Red (12%)
- Yellow (26%)
- Blue (58%)



- Cyan (79%)
- Magenta (46%)
- Yellow (0%)
- Black (42%)



- Cyan (88%)
- Magenta (69%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 73.1010, -51.0320, 10.7600 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 73.1010, -51.0320, 10.7600 by changing the saturation by 10% instead.



■ 73.1010, -51.0320,  
10.7600

■ 73.1010, -51.0320,  
10.7600

■ 255.0000, -0.0000,  
-0.0000

■ 47.9540, -55.1120,  
7.6080

■ 126.9710,  
-44.6140, 15.5940

■ 32.7770, -41.3120,  
10.8160

■ 153.7970,  
-44.0640, 16.6400

■ 17.6000, -27.5120,  
14.0240

■ 180.1670,  
-42.2300, 16.4420

■ 7.9340, -16.8290,  
13.1470

■ 205.2740,  
-32.6460, 7.9460

■ 3.6650, -8.9420,  
7.8740

■ 230.3810,  
-23.0620, -0.5500

■ 0.0000, 0.0000,  
0.0000

■ 249.6180,

-10.7280, -3.8160

■ 73.1010, -51.0320,  
10.7600

■ 73.1010, -51.0320,  
10.7600

■ 63.3330, -57.4970,  
12.2870

■ 82.8690, -44.5670,  
9.2330

■ 54.1520, -64.2370,  
13.2910

■ 92.0500, -37.8270,  
8.2290

■ 53.2660, -64.5580,  
13.6020

■ 101.5190,  
-31.9580, 6.4900

■ 110.7000,  
-25.2180, 5.4860

■ 120.4680,  
-18.7530, 3.9590

■ 130.2360,  
-12.2880, 2.4320

■ 139.4170, -5.5480,  
1.4280

■ 148.8860, 0.3210,  
-0.3110

■ 158.0670, 7.0610,  
-1.3150

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.4740, -71.6160, -1.6640



73.1010, -51.0320, 10.7600



83.1030, -0.6470, 28.2570

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.1010, -51.0320, 10.7600



77.9280, 53.2290, 10.0050



62.3770, -44.7430, -31.6470

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



73.1010, -51.0320, 10.7600



105.8990, 51.0320, -10.7600

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.0210, -5.6340, -30.0660



73.1010, -51.0320, 10.7600



77.2620, 45.5760, -11.0000

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.1010, -51.0320, 10.7600



77.2120, 50.1540, 27.1940



74.1360, 27.8350, -25.3890



67.6550, -56.8490, -21.4970



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.1010, -51.0320, 10.7600



82.2430, 22.5060, 32.6660



74.1360, 27.8350, -25.3890



60.5360, -40.9370, -34.5450

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



73.1010, -51.0320, 10.7600



161.9840, -20.2660, 3.8460



107.2030, -53.3610, -40.6650



79.2360, -12.2880, 2.4320



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.1010, -51.0320, 10.7600



75.2460, -79.0010, 16.5430



46.7300, -32.7890, 38.0830



69.5590, -3.0720, 0.6080



49.7780, -60.2480, 12.5840



3.4880, -4.3100, 1.0180



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



71.5690, 54.0030, 40.0430



72.7830, 83.4800, 62.0080



132.2700, 32.7890, -38.0830



69.4350, 3.2090, 2.4170



47.8740, 63.6300, 47.2940



3.4460, 4.6760, 3.3640



# Previews

## White Background



This preview shows how the YIQ color 73.1010, -51.0320, 10.7600 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 73.1010, -51.0320, 10.7600 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

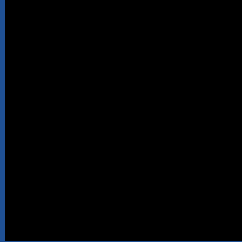
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 73.1010, -51.0320, 10.7600

## Background



This preview shows how black text looks on a background with the YIQ color 73.1010, -51.0320, 10.7600.



This preview shows how white text looks on a background with the YIQ color 73.1010, -51.0320,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

73.1010, -51.0320, 10.7600

### Protanopia

76.4830, -40.3040, 14.5760

### Deuteranopia

64.6640, -69.0950, 2.2090



## Tritanopia

63.1870, -55.2910, -16.6910

# Trichromacy



## Original Color

73.1010, -51.0320, 10.7600

## Protanomaly

75.3900, -44.4760, 13.0920

## Deuteranomaly

67.4800, -62.5850, 5.3750

## Tritanomaly

66.8810, -54.0090, -6.8810

# Monochromacy



## Original Color

73.1010, -51.0320, 10.7600

## Achromatopsia

73.0000, -0.0000, -0.0000

## Achromatomaly

73.3540, -18.4320, 3.6480

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 73.1010, -51.0320, 10.7600 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(31, 80, 148)` looks like.

```
.text, #text, p{  
    color:rgb(31, 80, 148)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(31, 80, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 80, 148) }
```

## Border

The CSS property to change the border of an element to YIQ 73.1010, -51.0320, 10.7600 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(31, 80, 148) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(31, 80, 148) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(31, 80, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 80, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 80, 148);  
box-shadow:4px 4px 4px 4px rgb(31, 80,  
148) }
```

# Background

The CSS property to change the background color of an element to YIQ 73.1010, -51.0320, 10.7600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 80, 148) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(31, 80,  
148) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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